

03-18-02

PATENT  
USA.302

A  
JC828 U.S. PTO  
10/099839  
03/13/02

JC769 U.S. PTO  
03/13/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Sherwood et al. ) Attorney Docket No.: USA.302  
Title: INFILTRATION OF THREE- )  
DIMENSIONAL OBJECTS )  
FORMED BY SOLID )  
FREEFORM FABRICATION )  
Date Filed: March 13, 2002 ) Express Mail Label No.: EE077045595US  
Customer No.: 022514

**BOX PATENT APPLICATION**  
U.S. Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202

Certificate Under 37 CFR §1.10  
I hereby certify that this correspondence  
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U.S. Patent and Trademark Office  
Arlington, VA 22202, on  
March 13, 2002  
Date of Deposit  
Janice Gainer  
Name  
Signature

**UTILITY PATENT APPLICATION TRANSMITTAL**

Transmitted herewith for filing is the patent application of Inventor(s): Michael Thomas Sherwood and Pingyong Xu.

**APPLICATION ELEMENTS**

1. Fee Transmittal Form.

2. Type of Application.

This new application is for a(n) (check one applicable item below):

- ☒ Original  
☐ Divisional  
☐ Continuation  
☐ Continuation-in-part (CIP) of Prior Application No.:  
Examiner: Group Art Unit:

**3. Papers Enclosed Which Are Required For Filing Date Under 37 CFR 1.53(b).**

- |  |                        |
|--|------------------------|
| <input checked="" type="checkbox"/> Pages of Specification   | Total Pages: <u>36</u> |
| <input checked="" type="checkbox"/> Drawings - Formal  | Total Sheets: <u>1</u> |
| <input checked="" type="checkbox"/> Oath or Declaration and Power of Attorney for Patent Application |                        |
| <input checked="" type="checkbox"/> Newly executed (original or copy)                                |                        |
| <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))                              |                        |

**4. Additional Papers Enclosed.**

- ☒ Request and Certification Under 35 USC 122(b)(2)(B)(i)
- ☒ Assignment Papers (cover sheet & document(s))
- ☒ Information Disclosure Statement (IDS)/PTO-1449  
Copies of IDS Citations
- ☒ Return Receipt Postcard (MPEP 503)

**5. Inventorship.**

The inventorship names and addresses for all the claims in this application are:

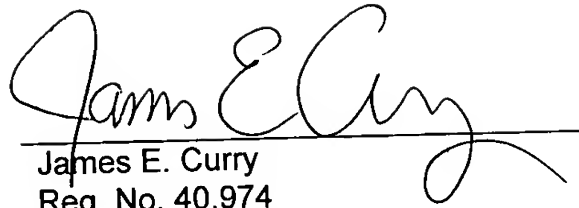
Michael Thomas Sherwood  
29849 Westhaven Drive  
Agoura Hills, CA 91301

Pingyong Xu  
23229 Savory Place  
Valencia, CA 91354

6. Language .

☒ English

Dated: March 13, 2002

  
James E. Curry  
Reg. No. 40,974  
Attorney for Applicants

3D Systems, Inc.  
26081 Avenue Hall  
Valencia, CA 91355  
(661) 295-5600, ext. 2470

☒ Statement Where No Further Pages Added.

☒ This Transmittal Ends With This Page.

<h1 style="margin: 0;">FEE TRANSMITTAL for FY 2002</h1> <p style="margin: 0; font-size: small;">Patent fees are subject to annual revision.</p>		<b>Complete if Known</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	To be assigned
		Filing Date	March 13, 2002
		First Named Inventor	Sherwood
		Examiner Name	To be assigned
		Group Art Unit	To be assigned
TOTAL AMOUNT OF PAYMENT		\$834.00	
		Attorney Docket No.	USA.302

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)																																																																																																																																																																																														
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number: <b>20-0900</b> Deposit Account Name: <b>3D Systems, Inc.</b> The Commissioner is authorized to: (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above identified deposit account.	<h3 style="margin: 0;">3. ADDITIONAL FEES</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non - English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - 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SUBMITTED BY		Complete (if applicable)	
Name	James E. Curry	Registration No. (Attorney/Agent)	40,974
Signature		Telephone	661-295-5600 ext. 2470
		Date	March 13, 2002

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**REQUEST AND CERTIFICATION  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor	Sherwood
Title	Infiltration of Three-Dimensional Objects Formed by Solid Freeform Fabrication
Atty Docket Number	USA.302

I hereby certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

March 13, 2002

Date



Signature

James E. Curry

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.